



Introduction to Organic Farming

PRESENTED BY:

JASMINE

(ASIST. PROF.)

DEPARTMENT OF AGRICULTURE

G.K.S.M. GOVT. COLLEGE TANDA (HSP.)

INTRODUCTION



- Organic farming, sustainable agricultural system that uses ecologically based pest controls and biological fertilizers derived largely from animal and plant wastes and nitrogen-fixing cover crops.
- Modern organic farming was developed as a response to the environmental harm caused by the use of chemical pesticides and synthetic fertilizers in conventional agriculture, and it has numerous ecological benefits.
- Compared with conventional agriculture, organic farming uses fewer pesticides, reduces soil erosion, decreases nitrate leaching into groundwater and surface water, and recycles animal wastes back into the farm.
- These benefits are counterbalanced by higher food costs for consumers and generally lower yields.

DEFINITION



- Organic farming can be defined as a system of management and agricultural production that combines a high level of biodiversity with environmental practices that preserve natural resources and has rigorous standards for animal welfare.
- The term organic farming can apply to the following categories of products:
 - ✓ Unprocessed products: vegetables, cereals, fruits, cotton, flowers, animals, eggs or milk;
 - ✓ Processed products for human consumption: cheese, bread or instantaneous meals;
 - ✓ Food for animals like organic soy cakes;
 - ✓ Materials for vegetative reproduction and seeds.

COMPONENTS OF ORGANIC FARMING



- Components of organic farming are
 - (i) organic manures,
 - (ii) non-chemical weed control measures, and
 - (iii) biological pest and disease management.

NEED OF ORGANIC FARMING



- Excessive use of chemical fertilisers reduces the fertility of soil.
- Excessive use of chemicals has led to soil, water, and air pollution.
- To conserve ecosystem.
- To promote sustainable development.
- Inexpensive farming.
- Increased demand of organic products due to safety of food.

PRINCIPLES OF ORGANIC FARMING



The Principles Of Organic Farming.

Principle of health. **1**

It should avoid the use of fertilizers, pesticides, animal drugs and food additives that may have adverse health effects.

Principle of ecology. **2**

It should be based on the living ecological systems and cycles, work with them, emulate them and help sustain them.

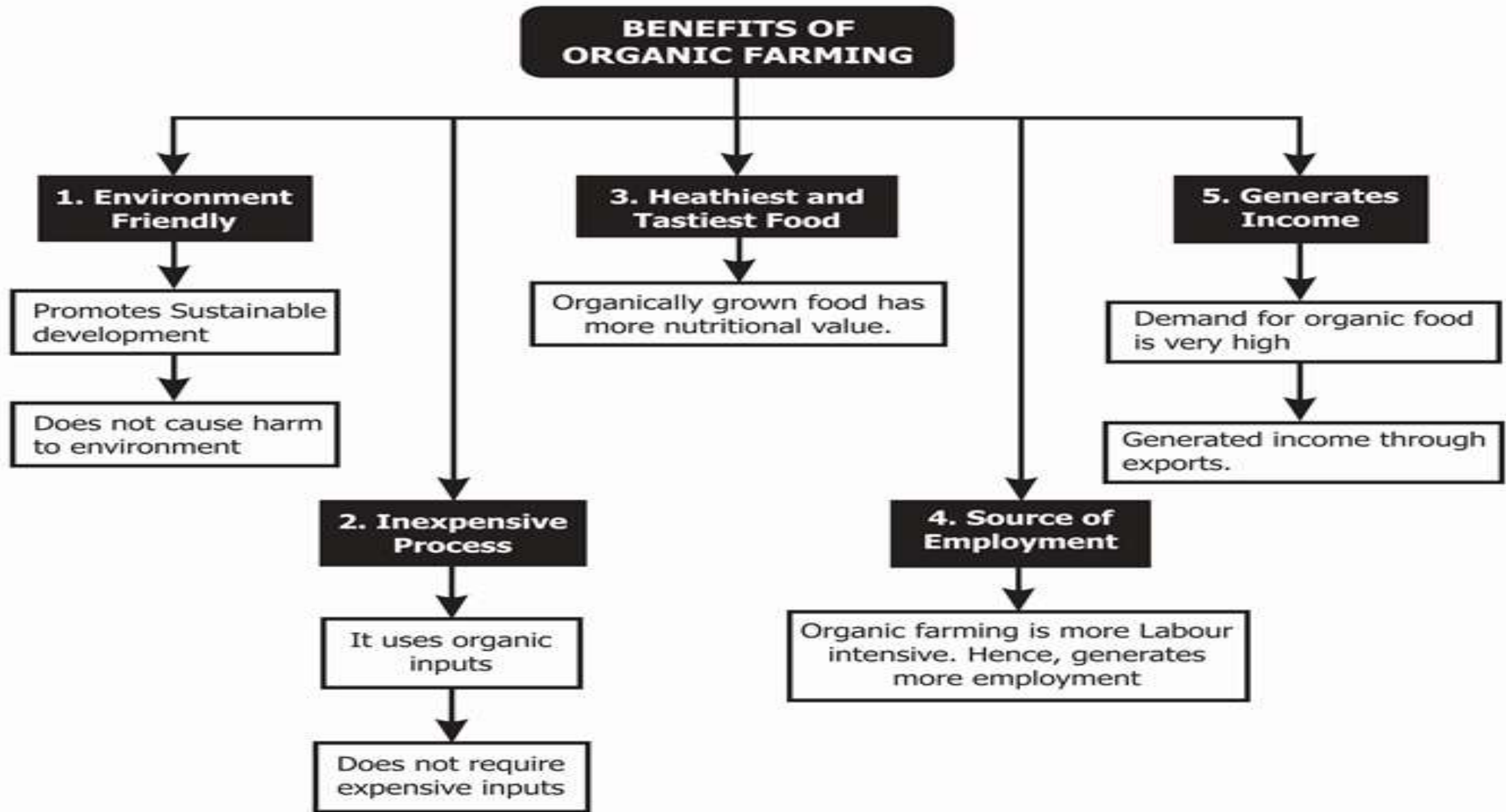
Principle of fairness. **3**

It should build on relationships that ensure fairness with regard to common environment and life processes.

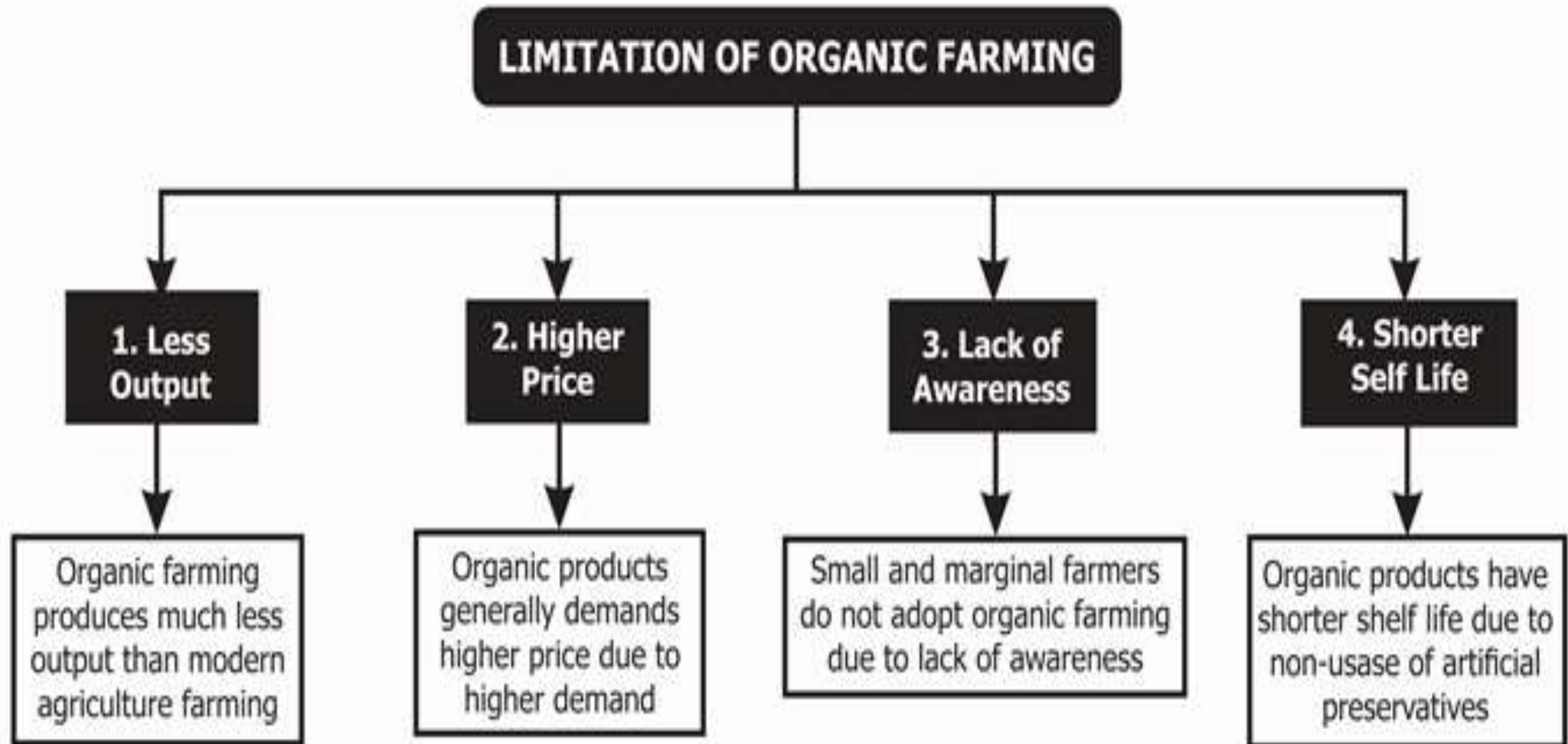
Principle of care. **4**

It should be managed in a precautionary manner to protect the health and well-being of current and future generations and the environment.

BENEFITS OF ORGANIC FARMING



LIMITATION OF ORGANIC FARMING



Why is organic farming better than inorganic farming?



- Firstly, from the environmental angle, organic farming has a fantastic impact on the environment. Organic farming deals with the environment and does not damage the surroundings. As an example, so as to be friendly with the environment, folks that are working within the farm use fertilizer from animals and plants and also use weed for insect control.

The benefit of crop rotation is to prevent pathogens and pests growing within the comparable region and additionally to hold the soil nutrients present for generating extraordinary vegetation.

- In evaluation, inorganic farming has negative results on the surroundings. This new-fashioned farming device tends to apply high amounts of chemical inputs that have terrible impacts on elements inclusive of soil, water, air, environment, vegetation and yields. The infection of these additives, then, will reduce the quality of farm produce and come to be inorganic ingredients.

CONCLUSION



- Organic farming is a form of sustainable agricultural machine that has an enormous contribution to the environment and human life instead of inorganic farming.
- Consequently, it is necessary to take into account the implementation of organic farming rather than inorganic farming in an effort to assure a higher existence within the future.